

Advanced Topics on Medical Defense Against Biological and Chemical Agents

Toxins as Biological Warfare and Terrorism Agents

Course No. 03.AMRIID.A

PLEASE ADJUST TIMES FOR YOUR TIMEZONE

Live Satellite Broadcast

July 9, 2003

1:00 - 3:00 PM EST

(Fifth in a series of six two-hour broadcasts)

(Test Signal from 12:30-1:00 PM EST)



**Department of
Veterans Affairs**



***Sponsored by U.S. Army Medical Command,
Department of Veterans Affairs Employee Education System,
and Emergency Management Strategic Healthcare Group***

In 1995, Iraq admitted to UNSCOM that they had produced and weaponized botulinum toxin. More recently, ricin has been found in terrorist hideouts in London and Afghanistan. Military and civilian medical and public health professionals have become concerned about toxins and must become proficient in the recognition and management of toxin casualties. This live, interactive, two-hour satellite broadcast will inform and educate health professionals with detailed information on the most likely toxins that terrorists might use. World-renowned experts from the U.S. Army Medical Research Institute of Infectious Diseases (USAMRIID), Uniformed Services University of the Health Sciences, and other organizations will present this program. The U.S. Army Medical Research and Materiel Command will host the program at no charge to the viewer. The last broadcast in this series of Advanced Topics on Medical Defense Against Biological and Chemical Agents will be on 27 Aug 2003. This broadcast is a stand-alone educational activity, requiring participant viewing only.

Agenda:

Will discuss the most likely toxins to be used and describe recognition of clinical signs and symptoms and treatment. Will discuss cutting edge research at USAMRIID on new vaccines and treatments.

- 1:00-1:10: **Introduction**
- 1:10-1:20 **Toxins: Biological agents, chemical agents or somewhere in-between?**
- 1:20-1:50: **Botulinum toxin and botulism**
- 1:50-2:05: **Staphylococcal enterotoxin B (SEB)**
- 2:05-2:15: **Ricin**
- 2:15-2:25: **Marine toxins**
- 2:25-2:30: **Mycotoxins**
- 2:30-2:55: **Live question and answer**
- 2:55-3:00: **Summary and credits**

Objectives:

- Describe the differences and similarities between toxins and chemical agents.
- Understand the comparative lethality of different toxins.
- List the possible medical defense approaches against toxins.
- Identify the clinical picture and treatment for intoxications caused by Botulinum toxins.
- Identify the clinical picture and treatment for intoxications caused by Ricin.
- Identify the clinical picture and treatment for intoxications caused by Staphylococcal enterotoxin B.
- Identify the clinical picture and treatment for intoxications caused by Marine toxins.
- Identify the clinical picture and treatment for intoxications caused by Mycotoxins.

Target Audience:

- Military and civilian medical care providers
- Public health professionals involved in disease surveillance and prevention (e.g., epidemiologists, laboratorians & veterinarians)
- Clinical laboratory staff, pharmacists
- First responders and others who assist in recognizing and managing casualties from a biological and chemical agent attack

Accreditation/Approval:

ACCME - The VA Employee Education System (VA EES) is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. This activity was planned and produced in accordance with the ACCME Essentials.

ANCC - VA EES is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation.

Continuing Education Credit:

ACCME - The VA EES designates this educational activity for a maximum of 2 hours in category 1 credit towards the American Medical Association Physician's Recognition Award. Each physician should claim only those hours of credit that he/she actually spent in the educational activity. This activity is certified to provide continuing education credit to practitioners seeking category 1 AMA PRA credit when viewed live, scheduled rebroadcast or a recording.

ANCC - VA EES designates this educational activity for 2.4 contact hours in continuing nursing education. This activity is certified to provide credit to practitioners seeking ANCC credit when viewed live or scheduled rebroadcast or a recording.

ASWB - VA EES, Provider Number 1040, is approved as a provider for social work continuing education by the Association of Social Work Boards (ASWB), (1-800-225-6880) through the Approved Continuing Education (ACE) program. Social workers will receive 2 continuing education clock hours in participating in this course. This activity is certified to provide continuing education credit to practitioners seeking ASWB credit when viewed live, scheduled rebroadcast or tape recording.

The Employee Education System maintains responsibility for the program. A certificate of attendance will be awarded to participants and records will be on file at the EES. In order to receive continuing education credit, you must sign in at the beginning of this activity, attend 100% of the satellite broadcast, and complete an evaluation. Continuing education credit will not be offered by EES for viewing either the broadcast, rebroadcast or a tape of the broadcast after July 9, 2004

Faculty Disclosure Statement:

The EES must insure balance, independence, objectivity, and scientific rigor to all EES sponsored educational activities. The intent of this disclosure is not to prevent faculty with a significant financial or other relationship from presenting materials, but rather to provide the participant with information on which they can make their own judgments. It remains for the participant to determine whether the faculty interests or relationships influence the materials presented with regard to exposition or conclusion. When an unapproved use of a FDA approved drug or medical device, or an investigational product not yet FDA approved for any purpose is mentioned, EES requires disclosure to the participants, which will be declared at the beginning of the broadcast.

Individual Registration Instructions:

Individuals should register and complete an evaluation/critique on-line at the web-site www.biomedtraining.org. You will be able to review and choose from a list of viewing sites available in your state. You must confirm your registration at a specific viewing site by using e-mail or telephone information indicated to contact the site facilitator. If you do not have Internet access or cannot complete your registration on-line, please call RegisterAmerica.net at (850) 784-6002, Ext 16 for assistance. In order to receive a certificate (CME/CNE/CEU), you must register, view 100% of this program, and complete an evaluation/critique. Video taping the live broadcast to support future educational activities is encouraged.

Site Facilitator Instructions:

Ensure your organization has assigned a local site facilitator to register your facility at www.biomedtraining.org. If you do not have access to the Internet or cannot complete your site registration on-line, please call RegisterAmerica.net at (850) 784-6002, Ext 16 for assistance. They will help you register or determine if your organization or installation has been registered as a downlink site. The local site facilitator must reserve a classroom and obtain a local technical point of contact (POC), and should be prepared to be the main POC for information regarding their facility (i.e., satellite downlink capability, GETN site code/ID, and/or VTC system dial-in number). Video taping the live broadcast to support future educational activities is encouraged. All viewers should individually register for the broadcast or for viewing of videotape.

Satellite & VTC Technical Specifications:

The test signal for the live satellite broadcast will be from 12:30 - 1:00 PM ET. The program begins promptly at 1:00 PM on July 9, 2003. Coordinates are currently posted at www.biomedtraining.org. The program is available throughout the U.S., including Alaska, Hawaii, Puerto Rico, & southern Canada. The broadcast is available as C-band, Ku-band, and digital (GETN: i.e. Air Warrior, AETC, ATN, etc.) satellite signals as well as a VTC signal via the U.S. Army Medical Command's (MEDCOM) VTC Bridge. Arrangements can be made to use the MEDCOM VTC Bridge by sending an email to vtc.usamissa@cen.amedd.army.mil or by calling 210-637-2256 or DSN 471-9706 extension 2256. Please have your Site ID # available.

Web Archive:

This program will be archived for viewing at www.swankhealth.com within 48 hours of the conclusion of the live program. All 6 programs will be archived at this site for a period of one year from date of each broadcast.